Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A multi-mode modem, comprising:

a first device configured to communication with a first communication system;

a second device configured to communication with a second communication

system;

a processor communicatively coupled with at least one of the first and second

devices; and

a control function configured to place the device modem in one of the following communication modes:

communication with the first communication system,

communication with the second communication system,

simultaneous communication with both the first and second communication systems, or

gateway communication between the first and second communication systems.

- 2. (Original) The multi-mode modem of claim 1, wherein the processor comprises the control function.
- 3. (Original) The multi-mode modem of claim 1, wherein the first device comprises a RF section and a baseband section, and wherein the baseband section comprises the control function.
- 4. (Original) The multi-mode modem of claim 3, further comprising a communication interface between the first device and the second device, wherein the communication interface allows the control function to enable the second device.
- 5. (Original) The multi-mode modem of claim 1, wherein the second device comprises a RF section and a baseband section, and wherein the baseband section comprises the control function.
- 6. (Original) The multi-mode modem of claim 5, further comprising a communication interface between the first device and the second device, wherein the communication interface allows the control function to enable the first modem device.

7. (Original) The multi-mode modem of claim 1, wherein the control function is configured to:

query the first device to determine if communication with the first communication system is available; and

query the second device to determine if communication with the second communication system is available.

- 8. (Original) The multi-mode modem of claim 7, wherein the second device is queried only if communication with the first communication system is not available.
- 9. (Original) The multi-mode modem of claim 7, wherein the control function is further configured to connect with the first communication system if the first device responds that communication with the first communication is available.
- 10. (Original) The multi-mode modem of claim 7, wherein the control function is further configured to connect with the second communication system if the second device responds that communication with the second communication system is available.
- 11. (Currently Amended) The multi-mode modem of claim 1, wherein the control function is configured to:

query the first device to determine if communication with the first communication system is available;

connect the modem with the first communication system;

query the second device to determine if communication with the second communication system is available; and

connect the modem with the second communication system.

- 12. (Original) The multi-mode modem of claim 11, configured to engage in simultaneous communication with the first and second communication system once a connection with each is established.
- 13. (Currently Amended) The multi-mode modem of claim 11, configured to engage in gateway communication with the first and second emmunication communication systems once a connection with each is established.
- 14. (Currently Amended) A system for wireless communication, comprising:

a host device comprising a processor;

a multi-mode modem, comprising:

a first device configured to communication with a first communication system, and

a second device configured to communication with a second communication system, and

an interface device coupled with at least on one of the first and second devices, the interface device configured to interface the first and second devices with the host processor; and

a control function configured to place the <u>device</u> <u>modem</u> in one of the following communication modes:

communication with the first communication system, or communication with the second communication system.

- 15. (Currently Amended) The system of claim 14, wherein the control function is further configured to place the system modem in simultaneous communication with both the first and second communication systems.
- 16. (Currently Amended) The system of claim 14, wherein the control function is further configured to place the system modem in gateway communication between the first and second communication systems.
- 17. (Original) The system of claim 14, wherein the processor comprises the control function.
- 18. (Original) The system of claim 17, wherein the interface device is configured to interface the processor with the first device, and wherein the control function is configured to:

query the first device to determine if communication with the first communication system is available; and

query the second device to determine if the communication with the second communication system is available.

- 19. (Original) The system of claim 18, wherein the control function is further configured to query the second device only if communication with the first communication system is not available.
- 20. (Currently Amended) The system of claim 18, wherein the control function is further configured to instruct the first device to switch the interface device so that the interface device interfaces the host processor with the second device if communication with the first communication system is not available.

- 21. (Original) The system of claim 14, wherein the first device comprises a RF section and a baseband section, and wherein the baseband section comprises the control function.
- 22. (Currently Amended) The wireless communication device system of claim 21, further comprising a communication interface between the first device and the second device, wherein the communication interface allows the control function to enable the second device.
- 23. (Original) The system of claim 22, wherein the control function is configured to:

query the first device to determine if communication with the first communication system is available; and

query the second device to determine if communication with the second communication system is available.

- 24. (Original) The system of claim 23, wherein the control function is further configured to query the second device only if communication with the first communication system is not available.
- 25. (Original) The system of claim 14, wherein the second device comprises a RF section and a baseband section, and wherein the baseband section comprises the control function.
- 26. (Original) The system of claim 25, further comprising a communication interface between the first device and the second device, wherein the communication interface allows the control function to enable the first device.
- 27. (Original) The system of claim 26, wherein the control function is configured to:

query the first device to determine if communication with the first communication system is available; and

query the second device to determine if communication with the second communication system is available.

- 28. (Original) The system of claim 27, wherein the control function is further configured to query the second device only if communication with the first communication system is not available.
- 29. (Currently Amended) The wireless communication system of claim 14, wherein the interface chip device comprises the control function.
- 30. (Currently Amended) The wireless communication system of claim 29, wherein the control function is configured to:

query the first device to determine if communication with the first communication system is available; and

query the second device to determine if communication with the second communication system is available.

- 31. (Original) The system of claim 30, wherein the control function is further configured to query the second device only if communication with the first communication system is not available.
- 32. (Currently Amended) A multi-mode modem card comprising a standard form factor and configured to interface with a host device, the multi-mode modem card including:

a primary device modem card configured to communication with a first communication system; and

an interface configured to receive a secondary modem card comprising a smaller form factor than the primary modem card, the secondary modem card including a secondary device configured to communication with a second communication system.

- 33. (Currently Amended) The multi-mode modem card of claim 32, further comprising an interface device configured to interface the multi-mode primary and secondary modem cards with a host processor in the host device.
- 34. (Original) The multi-mode modem card of claim 33, wherein the interface device comprises:
 - a host device interface;
 - a primary device interface; and
 - a secondary device interface.
- 35. (Original) The multi-mode modem card of claim 34, wherein the host device interface comprises address and data lines.
- 36. (Original) The multi-mode modem card of claim 34, wherein the primary device interface is a serial data interface, and wherein the interface device is further configured to receive address and data information from the host device interface and convert it into serial data that can be communicated over the primary device interface.
- 37. (Original) The multi-mode modem card of claim 36, wherein the interface device is further configured to receive data information from the primary device interface and convert it into data and address information that can be communicated over the host device interface.

- 38. (Original) The multi-mode modem card of claim 37, wherein the primary device interface is a universal serial bus interface.
- 39. (Original) The multi-mode modem card of claim 38, wherein the primary device interface includes a pulse code modulation interface for voice data.
- 40. (Original) The multi-mode modem card of claim 34, wherein the secondary device interface comprises address and data lines, and wherein the interface device is configured to interface the address and data lines on the host processor interface with the address and data lines on the secondary device interface.
- 41. (Original) The multi-mode modem card of claim 34, wherein the secondary device interface is a Compact Flash interface, and wherein the secondary modem card is a Compact Flash modem card.
- 42. (Currently Amended) A system for wireless communication, comprising:

a host device comprising a processor;

a multi-mode modem card comprising a standard form factor configured to interface with the host device, the multi-mode modem card including:

a primary device configured to communication with a first communication system, and

an interface configured to receive a secondary modem card comprising a smaller form factor than the multi-mode modem card, the secondary modem card including a secondary device configured to communicate with a second communication system, and

an interface device coupled with at least on one of the primary and secondary devices, the interface device configured to interface the primary and secondary devices with the host processor; and

a control function configured to place the system <u>multi-mode modem card</u> in one of the following communication modes:

communication with the first communication system, or communication with the second communication system.

43. (Currently Amended) The system of claim 42, wherein the control function is further configured to place the system <u>multi-mode modem</u> in simultaneous communication with both the first and second communication systems.

- 44. (Currently Amended) The system of claim 42, wherein the control function is further configured to place the system <u>multi-mode modem</u> in gateway communication between the first and second communication systems.
- 45. (Original) The system of claim 42, wherein the processor comprises the control function.
- 46. (Original) The system of claim 45, wherein the interface device is configured to interface the processor with the primary device, and wherein the control function is configured to:

query the primary device to determine if communication with the first communication system is available; and

query the secondary device to determine if communication with the second communication system is available.

- 47. (Original) The system of claim 46, wherein the control function is further configured to query the second device only if communication with the first communication system is not available.
- 48. (Original) The system of claim 42, wherein the interface device comprises:
 - a host device interface;
 - a primary device interface; and
 - a secondary device interface.
- 49. (Original) The system of claim 48, wherein the host device interface comprises address and data lines.
- 50. (Currently Amended) The primary modem eard system of claim 48, wherein the primary device interface is a serial data interface, and wherein the interface device is further configured to receive address and data information from the host device interface and convert it into serial data that can be communicated over the primary device interface.
- 51. (Original) The system of claim 50, wherein the interface device is further configured to receive data information from the primary device interface and convert it into data and address information that can be communicated over the host device interface.
- 52. (Original) The system of claim 51, wherein the primary device interface is a universal serial bus interface.
- 53. (Original) The system of claim 52, wherein the primary device interface includes a pulse code modulation interface for voice data.

- 54. (Original) The system of claim 48, wherein the secondary device interface comprises address and data lines, and wherein the interface device is configured to interface the address and data lines on the host device interface with the address and data lines on the secondary device interface when required.
- 55. (Original) The system of claim 48, wherein the secondary device interface is a Compact Flash interface, and wherein the secondary modem card is a Compact Flash modem card.
- 56. (Original) A method for controlling mode switching in a multi-mode modem, comprising:

determining if a first communication system coverage is available;

if the first communication system coverage is not available, then switching an interface between the multi-mode modem and a host device from a first communication mode to a second communication mode; and

determining if a second communication system coverage is available.

- 57. (Original) The method of claim 56, further comprising if the second communication system coverage is not available, then searching for second communication system coverage for a predetermined time period.
- 58. (Original) The method of claim 57, further comprising if the predetermined time period elapses without finding the second communication system coverage, then switching the interface between the multi-mode modem and the host device from the second communication mode to the first communication mode.
- 59. (Original) The method of claim 57, further comprising if the second communication system coverage is found before the predetermined time period elapses, then establishing a connection with the second communication system.
- 60. (Original) The method of claim 56, further comprising establishing a connection with the first communication system if the first communication system coverage is found.
- 61. (Original) The method of claim 56, further comprising establishing a connection with the second communication system if the second communication system coverage is found.
- 62. (New) A wireless communication device, comprising:
 - a processor,
 - a first device configured to communicate with a first wireless network,
 - a second device configured to communication with a second wireless network;

wherein the processor is configured to place the first device and second device in gateway communication between the first wireless network and the second wireless network.

- 63. (New) The device of claim 62, wherein the first device is a LAN device, the first wireless network is a wireless local area network, the second device is a WAN device, and the second wireless network is a wireless wide area network.
- 64. (New) The device of claim 62, wherein the first device is a PAN device, and first wireless network is a wireless personal area network, the second device is a WAN device, and the second wireless network is a wireless wide area network.
- 65. (New) The device of claim 62, wherein the first device is a PAN device, the first wireless network is a wireless personal area network, the second device is a LAN device, and the second wireless network is a wireless local area network.
- 66. (New) The device of claim 62, wherein the wireless communication device is a laptop computer and the first and second devices are embedded modems.
- 67. (New) The device of claim 62, wherein the wireless communication device is a PC card.